

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 19517079B

Source: FEW

Date Processed by STIC: 8/28/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chknote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10517, 07913
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input checked="" type="checkbox"/> Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line <u>"wrapped"</u> down to the <u>next line</u> . This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequence(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (ii) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input checked="" type="checkbox"/> Use of <220>	Sequence(s) <u>151-31908</u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See Federal Register, 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (See 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/517,079B

DATE: 08/28/2006
TIME: 09:10:32

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

4 <110> APPLICANT: CePeP AB
6 <120> TITLE OF INVENTION: Cell Penetrating Peptides
9 <130> FILE REFERENCE: pd53495XX01
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/517,079B
C--> 11 <141> CURRENT FILING DATE: 2004-12-06
11 <160> NUMBER OF SEQ ID NOS: 31933
13 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

2257 <210> SEQ ID NO: 151
2258 <211> LENGTH: 12
2259 <212> TYPE: PRT
2260 <213> ORGANISM: Homo Sapiens
2262 <220> LOCATION: (405)... (417)
2263 <223> OTHER INFORMATION: SH1A_HUMAN
OK 2264 <400> SEQUENCE: 151
2265 Lys Asp Phe Gln Asn Ala Phe Lys Lys Ile Ile Lys
2266 1 5 10
2270 <210> SEQ ID NO: 152
2271 <211> LENGTH: 12
2272 <212> TYPE: PRT
2273 <213> ORGANISM: Homo Sapiens
2275 <220> LOCATION: (407)... (419)
2276 <223> OTHER INFORMATION: SH1A_HUMAN
OK 2277 <400> SEQUENCE: 152
2278 Phe Gln Asn Ala Phe Lys Lys Ile Ile Lys Cys Lys
2279 1 5 10
2283 <210> SEQ ID NO: 153
2284 <211> LENGTH: 12
2285 <212> TYPE: PRT
2286 <213> ORGANISM: Homo Sapiens
2288 <220> LOCATION: (408)... (420)
2289 <223> OTHER INFORMATION: SH1A_HUMAN
OK 2290 <400> SEQUENCE: 153
2291 Gln Asn Ala Phe Lys Lys Ile Ile Lys Cys Lys Phe
2292 1 5 10
2296 <210> SEQ ID NO: 154
2297 <211> LENGTH: 12
2298 <212> TYPE: PRT
2299 <213> ORGANISM: Homo Sapiens
2301 <220> LOCATION: (69)... (81)

Does Not Comply
Corrected Diskette Needed

(pg.1-12)

← pls
insert

<2207, whenever
2217, 2227
or 2237 is
present!

See item # 11 on
error summary sheet.

7 The above errors are seen
globally throughout the sequence
file: //C:\CRF4\Outhold\VsrJ517079B.htm

8/28/2006

RAW SEQUENCE LISTING

DATE: 06/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:32

Input Set : N:\RJAVED\10517079.txt

Output Set: N:\CRF4\06282006\J517079B.raw

OK ⁽²²⁰⁷⁾
 2302 <223> OTHER INFORMATION: SH1B_HUMAN
 2303 <400> SEQUENCE: 154
 2304 Phe Val Ile Ala Thr Val Tyr Arg Thr Arg Lys Leu
 2305 1 5 10
 2309 <210> SEQ ID NO: 155
 2310 <211> LENGTH: 12
 2311 <212> TYPE: PRT
 2312 <213> ORGANISM: Homo Sapiens
 2314 ⁽²²⁰⁷⁾ <222> LOCATION: (70)...(82)
 OK 2315 <223> OTHER INFORMATION: SH1B_HUMAN
 2316 <400> SEQUENCE: 155
 2317 Val Ile Ala Thr Val Tyr Arg Thr Arg Lys Leu His
 2318 1 5 10
 2322 <210> SEQ ID NO: 156
 2323 <211> LENGTH: 12
 2324 <212> TYPE: PRT
 2325 <213> ORGANISM: Homo Sapiens
 2327 ⁽²²⁰⁷⁾ <222> LOCATION: (71)...(83)
 OK 2328 <223> OTHER INFORMATION: SH1B_HUMAN
 2329 <400> SEQUENCE: 156
 2330 Ile Ala Thr Val Tyr Arg Thr Arg Lys Leu His Thr
 2331 1 5 10
 2335 <210> SEQ ID NO: 157
 2336 <211> LENGTH: 12
 2337 <212> TYPE: PRT
 2338 <213> ORGANISM: Homo Sapiens
 2340 ⁽²²⁰⁷⁾ <222> LOCATION: (297)...(309)
 OK 2341 <223> OTHER INFORMATION: SH1B_HUMAN
 2342 <400> SEQUENCE: 157
 2343 Ala Leu Leu Glu Lys Lys Lys Leu Met Ala Ala Arg
 2344 1 5 10
 2348 <210> SEQ ID NO: 158
 2349 <211> LENGTH: 12
 2350 <212> TYPE: PRT
 2351 <213> ORGANISM: Homo Sapiens
 2352 ⁽²²⁰⁷⁾ <222> LOCATION: (310)...(322)
 OK 2354 <223> OTHER INFORMATION: SH1B_HUMAN
 2355 <400> SEQUENCE: 158
 2356 Arg Lys Ala Thr Lys Thr Leu Gly Ile Ile Leu Gly
 2357 1 5 10
 2361 <210> SEQ ID NO: 159
 2362 <211> LENGTH: 12
 2363 <212> TYPE: PRT
 2364 <213> ORGANISM: Homo Sapiens
 2366 ⁽²²⁰⁷⁾ <222> LOCATION: (376)...(388)
 OK 2367 <223> OTHER INFORMATION: SH1B_HUMAN
 2368 <400> SEQUENCE: 159
 2369 Phe Lys Gln Ala Phe His Lys Leu Ile Arg Phe Lys
 2370 1 5 10

← pls
 insert
 (2207), whenever
 (2217), (2227)
 OR (2237) is
 present!

See item
 #11 on
 =
 error
 Summary
 sheet

RAW SEQUENCE LISTING

DATE: 08/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:32

Input Set : N:\RJAVED\10517079B.txt

Output Set: N:\CRF4\08282006\J517079B.raw

2374 <210> SEQ ID NO: 160
 2375 <211> LENGTH: 12
 2376 <212> TYPE: PRT
 2377 <213> ORGANISM: Homo Sapiens
 2378 <222> LOCATION: (295)...(307)
 2380 <223> OTHER INFORMATION: SH1D_HUMAN
 2381 <400> SEQUENCE: 160
 2382 Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile
 2383 1 5 10
 2387 <210> SEQ ID NO: 161
 2388 <211> LENGTH: 12
 2389 <212> TYPE: PRT
 2390 <213> ORGANISM: Homo Sapiens
 2392 <222> LOCATION: (297)...(309)
 2393 <223> OTHER INFORMATION: SH1D_HUMAN
 2394 <400> SEQUENCE: 161
 2395 Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu Gly
 2396 1 5 10
 2400 <210> SEQ ID NO: 162
 2401 <211> LENGTH: 12
 2402 <212> TYPE: PRT
 2403 <213> ORGANISM: Homo Sapiens
 2405 <222> LOCATION: (133)...(145)
 2406 <223> OTHER INFORMATION: SH1E_HUMAN
 2407 <400> SEQUENCE: 162
 2408 Lys Arg Thr Ala Lys Arg Ala Ala Leu Met Ile Leu
 2409 1 5 10
 2413 <210> SEQ ID NO: 163
 2414 <211> LENGTH: 12
 2415 <212> TYPE: PRT
 2416 <213> ORGANISM: Homo Sapiens
 2418 <222> LOCATION: (287)...(299)
 2419 <223> OTHER INFORMATION: SH1E_HUMAN
 2420 <400> SEQUENCE: 163
 2421 Arg Lys Ala Ala Arg Ile Leu Gly Leu Ile Leu Gly
 2422 1 5 10
 2426 <210> SEQ ID NO: 164
 2427 <211> LENGTH: 12
 2428 <212> TYPE: PRT
 2429 <213> ORGANISM: Homo Sapiens
 2431 <222> LOCATION: (134)...(146)
 2432 <223> OTHER INFORMATION: SH1F_HUMAN
 2433 <400> SEQUENCE: 164
 2434 Lys Arg Thr Pro Lys His Ala Gly Ile Met Ile Thr
 2435 1 5 10
 2439 <210> SEQ ID NO: 165
 2440 <211> LENGTH: 12
 2441 <212> TYPE: PRT
 2442 <213> ORGANISM: Homo Sapiens

Same
 errors
 ==
 ↓
 see
 item #11 on
 error
 summary
 sheet.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/517,079B

DATE: 08/28/2006

TIME: 09:10:32

Input Set : N:\RJAVED\10517079.txt

Output Set : N:\CRF4\08282006\J517079B.raw

2444 <222> LOCATION: (198)...(210)
 2445 <223> OTHER INFORMATION: 5H1F_HUMAN
 2446 <400> SEQUENCE: 165
 2447 Leu Ile Leu Tyr Tyr Lys Ile Tyr Arg Ala Ala Lys
 2448 1 5 10
 2452 <210> SEQ ID NO: 166
 2453 <211> LENGTH: 12
 2454 <212> TYPE: PRT
 2455 <213> ORGANISM: Homo Sapiens
 2456 <222> LOCATION: (199)...(211)
 2458 <223> OTHER INFORMATION: 5H1F_HUMAN
 2459 <400> SEQUENCE: 166
 2460 Ile Leu Tyr Tyr Lys Ile Tyr Arg Ala Ala Lys Thr
 2461 1 5 10
 2465 <210> SEQ ID NO: 167
 2466 <211> LENGTH: 12
 2467 <212> TYPE: PRT
 2468 <213> ORGANISM: Homo Sapiens
 2470 <222> LOCATION: (200)...(212)
 2471 <223> OTHER INFORMATION: 5H1F_HUMAN
 2472 <400> SEQUENCE: 167
 2473 Leu Tyr Tyr Lys Ile Tyr Arg Ala Ala Lys Thr Leu
 2474 1 5 10
 2478 <210> SEQ ID NO: 168
 2479 <211> LENGTH: 12
 2480 <212> TYPE: PRT
 2481 <213> ORGANISM: Homo Sapiens
 2483 <222> LOCATION: (203)...(215)
 2484 <223> OTHER INFORMATION: 5H1F_HUMAN
 2485 <400> SEQUENCE: 168
 2486 Lys Ile Tyr Arg Ala Ala Lys Thr Leu Tyr His Lys
 2487 1 5 10
 2491 <210> SEQ ID NO: 169
 2492 <211> LENGTH: 12
 2493 <212> TYPE: PRT
 2494 <213> ORGANISM: Homo Sapiens
 2495 <222> LOCATION: (188)...(200)
 2497 <223> OTHER INFORMATION: 5H2A_HUMAN
 2498 <400> SEQUENCE: 169
 2499 Ser Arg Thr Lys Ala Phe Leu Lys Ile Ile Ala Val
 2500 1 5 10
 2504 <210> SEQ ID NO: 170
 2505 <211> LENGTH: 12
 2506 <212> TYPE: PRT
 2507 <213> ORGANISM: Homo Sapiens
 2509 <222> LOCATION: (189)...(201)
 2510 <223> OTHER INFORMATION: 5H2A_HUMAN
 2511 <400> SEQUENCE: 170
 2512 Arg Thr Lys Ala Phe Leu Lys Ile Ile Ala Val Trp

Same
 errors
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/517,079B

DATE: 06/28/2006

TIME: 09:10:32

Input Set : N:\RJAVED\10517079.txt

Output Set : N:\CRF4\08282006\J517079B.raw

2513 1 5
 14451 <210> SEQ ID NO: 1089
 14452 <211> LENGTH: 9
 14453 <212> TYPE: PRT
 14454 <213> ORGANISM: Homo Sapiens
 14455 <223> LOCATION: (305)... (317)
 14457 <223> OTHER INFORMATION: O2B6 HUMAN
 14458 <400> SEQUENCE: 1089
 14459 Val Ala Arg Val Phe Leu Ile Lys Lys
 E--> 14460 1 5
 14464 <210> SEQ ID NO: 1090
 14465 <211> LENGTH: 8
 14466 <212> TYPE: PRT
 14467 <213> ORGANISM: Homo Sapiens
 14468 <223> LOCATION: (306)... (318)
 14470 <223> OTHER INFORMATION: O2B6 HUMAN
 14471 <400> SEQUENCE: 1090
 14472 Ala Arg Val Phe Leu Ile Lys Lys
 E--> 14473 1 5
 14477 <210> SEQ ID NO: 1091
 14478 <211> LENGTH: 7
 14479 <212> TYPE: PRT
 14480 <213> ORGANISM: Homo Sapiens
 14482 <223> LOCATION: (307)... (319)
 14483 <223> OTHER INFORMATION: O2B6 HUMAN
 14484 <400> SEQUENCE: 1091
 14485 Arg Val Phe Leu Ile Lys Lys
 E--> 14486 1 5
 35198 <210> SEQ ID NO: 2685
 35199 <211> LENGTH: 16
 35200 <212> TYPE: PRT
 35201 <213> ORGANISM: Homo Sapiens
 35203 <223> LOCATION: (334)... (350)
 35204 <223> OTHER INFORMATION: SH1A HUMAN
 35205 <400> SEQUENCE: 2685
 35206 Lys Met Ala Leu Ala Arg Glu Arg Lys Thr Val Lys Thr Leu Gly Ile
 E--> 35207 1 5
 35211 <210> SEQ ID NO: 2686
 35212 <211> LENGTH: 16
 35213 <212> TYPE: PRT
 35214 <213> ORGANISM: Homo Sapiens
 35216 <223> LOCATION: (335)... (351)
 35217 <223> OTHER INFORMATION: SH1A HUMAN
 35218 <400> SEQUENCE: 2686
 35219 Met Ala Leu Ala Arg Glu Arg Lys Thr Val Lys Thr Leu Gly Ile
 E--> 35220 1 5
 35224 <210> SEQ ID NO: 2687
 35225 <211> LENGTH: 16
 35226 <212> TYPE: PRT

pls insert, see item # 11 on error
 Summary sheet.

10

10

140

140

145

145

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/517,079B

DATE: 08/28/2006
TIME: 09:10:33

Input Set : N:\RJAVED\10517079.txt
Output Set : N:\CRF4\08282006\J517079B.raw

35227 <213> ORGANISM: Homo Sapiens
35229 <212> LOCATION: (352)... (352)
35230 <223> OTHER INFORMATION: SH1A_HUMAN
35231 <400> SEQUENCE: 2687

same error

35232 Ala Leu Ala Arg Glu Arg Lys Thr Val Lys Thr Leu Gly Ile Ile Met
E--> 35233 1 5 10 15

35237 <210> SEQ ID NO: 2688
35238 <211> LENGTH: 16
35239 <212> TYPE: PRT
35240 <213> ORGANISM: Homo Sapiens
35242 <222> LOCATION: (337)... (353)
35243 <223> OTHER INFORMATION: SH1A_HUMAN

pls insert <220>

35244 <400> SEQUENCE: 2688
35245 Leu Ala Arg Glu Arg Lys Thr Val Lys Thr Leu Gly Ile Ile Met Gly
E--> 35246 1 5 10 15

35250 <210> SEQ ID NO: 2689
35251 <211> LENGTH: 16
35252 <212> TYPE: PRT
35253 <213> ORGANISM: Homo Sapiens
35255 <222> LOCATION: (290)... (306)
35256 <223> OTHER INFORMATION: SH1B_HUMAN

pls insert <220>

35257 <400> SEQUENCE: 2689
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E--> 35259 1 5 10 15

35263 <210> SEQ ID NO: 2690
35264 <211> LENGTH: 16
35265 <212> TYPE: PRT
35266 <213> ORGANISM: Homo Sapiens
35268 <222> LOCATION: (291)... (307)
35269 <223> OTHER INFORMATION: SH1B_HUMAN

pls insert

35270 <400> SEQUENCE: 2690
35271 Lys Val Arg Val Ser Asp Ala Leu Leu Glu Lys Lys Lys Leu Met Ala
E--> 35272 1 5 10 15

35276 <210> SEQ ID NO: 2691
35277 <211> LENGTH: 16
35278 <212> TYPE: PRT
35279 <213> ORGANISM: Homo Sapiens
35281 <222> LOCATION: (304)... (320)
35282 <223> OTHER INFORMATION: SH1B_HUMAN

insert

35283 <400> SEQUENCE: 2691
35284 Leu Met Ala Ala Arg Glu Arg Lys Ala Thr Lys Thr Leu Gly Ile Ile
E--> 35285 1 5 10 15

35289 <210> SEQ ID NO: 2692
35290 <211> LENGTH: 16
35291 <212> TYPE: PRT
35292 <213> ORGANISM: Homo Sapiens
35294 <222> LOCATION: (305)... (321)
35295 <223> OTHER INFORMATION: SH1B_HUMAN

insert

35296 <400> SEQUENCE: 2692

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/517,079B

DATE: 08/28/2006

TIME: 09:10:33

Input Set : N:\RJAVED\10517079.txt

Output Set : N:\CRF4\08282006\J517079B.raw

35297 Met Ala Ala Arg Glu Arg Lys Ala Thr Lys Thr Leu Gly Ile Ile Leu
 E--> 35298 1 5 10 15
 35302 <210> SEQ ID NO: 2693
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 35304 <212> TYPE: PRT
 35305 <213> ORGANISM: Homo Sapiens
 35307 <222> LOCATION: (308)...(324)
 35308 <223> OTHER INFORMATION: SH1B HUMAN
 E--> 35309 <400> SEQUENCE: 2693
 35310 Arg Glu Arg Lys Ala Thr Lys Thr Leu Gly Ile Ile Leu Gly Ala Phe
 E--> 35311 1 5 10 15
 35315 <210> SEQ ID NO: 2694
 35316 <211> LENGTH: 16
 35317 <212> TYPE: PRT
 35318 <213> ORGANISM: Homo Sapiens
 35320 <222> LOCATION: (310)...(326)
 35321 <223> OTHER INFORMATION: SH1B HUMAN
 E--> 35322 <400> SEQUENCE: 2694
 35323 Arg Lys Ala Thr Lys Thr Leu Gly Ile Ile Leu Gly Ala Phe Ile Val
 E--> 35324 1 5 10 15
 35328 <210> SEQ ID NO: 2695
 35329 <211> LENGTH: 16
 35330 <212> TYPE: PRT
 35331 <213> ORGANISM: Homo Sapiens
 35333 <222> LOCATION: (291)...(307)
 35334 <223> OTHER INFORMATION: SH1D HUMAN
 E--> 35335 <400> SEQUENCE: 2695
 35336 Ile Ser Ala Ala Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile
 E--> 35337 1 5 10 15
 35341 <210> SEQ ID NO: 2696
 35342 <211> LENGTH: 16
 35343 <212> TYPE: PRT
 35344 <213> ORGANISM: Homo Sapiens
 35346 <222> LOCATION: (292)...(308)
 35347 <223> OTHER INFORMATION: SH1D HUMAN
 E--> 35348 <400> SEQUENCE: 2696
 35349 Ser Ala Ala Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu
 E--> 35350 1 5 10 15
 35354 <210> SEQ ID NO: 2697
 35355 <211> LENGTH: 16
 35356 <212> TYPE: PRT
 35357 <213> ORGANISM: Homo Sapiens
 35359 <222> LOCATION: (293)...(309)
 35360 <223> OTHER INFORMATION: SH1D HUMAN
 E--> 35361 <400> SEQUENCE: 2697
 35362 Ala Ala Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu Gly
 E--> 35363 1 5 10 15
 35367 <210> SEQ ID NO: 2698
 35368 <211> LENGTH: 16

Same
 errors

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/517,079B

DATE: 08/28/2006
TIME: 09:10:33

Input Set : N:\RJAVED\10517079.txt
Output Set: N:\CRF4\8282006\J517079B.raw

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35372 <222> LOCATION: (294)... (316)
35373 <223> OTHER INFORMATION: SH1D_HUMAN
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35375 Ala Arg Glu Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu Gly Ala
E--> 35376 1 5 10 15
35380 <210> SEQ ID NO: 2699
35381 <211> LENGTH: 16
35382 <212> TYPE: PRT
35383 <213> ORGANISM: Homo Sapiens
35385 <222> LOCATION: (295)... (311)
35386 <223> OTHER INFORMATION: SH1D_HUMAN
E--> 35387 <400> SEQUENCE: 2699
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E--> 35389 1 5 10 15
35393 <210> SEQ ID NO: 2700
35394 <211> LENGTH: 16
35395 <212> TYPE: PRT
35396 <213> ORGANISM: Homo Sapiens
35398 <222> LOCATION: (297)... (318)
35399 <223> OTHER INFORMATION: SH1D_HUMAN
E--> 35400 <400> SEQUENCE: 2700
35401 Arg Lys Ala Thr Lys Ile Leu Gly Ile Ile Leu Gly Ala Phe Ile Ile
E--> 35402 1 5 10 15
35406 <210> SEQ ID NO: 2701
35407 <211> LENGTH: 16
35408 <212> TYPE: PRT
35409 <213> ORGANISM: Homo Sapiens
35411 <222> LOCATION: (133)... (149)
35412 <223> OTHER INFORMATION: SH1E_HUMAN
E--> 35413 <400> SEQUENCE: 2701
35414 Lys Arg Thr Ala Lys Arg Ala Ala Leu Met Ile Leu Thr Val Trp Thr
E--> 35415 1 5 10 15
48536 <210> SEQ ID NO: 3711
48537 <211> LENGTH: 13
48538 <212> TYPE: PRT
48539 <213> ORGANISM: Homo Sapiens
48541 <222> LOCATION: (476)... (492)
48542 <223> OTHER INFORMATION: HH1R_HUMAN
E--> 48543 <400> SEQUENCE: 3711
48544 Lys Lys Thr Phe Lys Arg Ile Leu His Ile Arg Ser
E--> 48545 1 5 10 15
440249 <210> SEQ ID NO: 31872
440250 <211> LENGTH: 8
440251 <212> TYPE: PRT
440252 <213> ORGANISM: Rattus norvegicus
W--> 440253 <220> FEATURE: ~~3aa~~ delete
W--> 440254 <221> NAME/KEY: Nor-(N-met)Veline

Same errors

15 delete

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/517,079B

DATE: 08/28/2006
TIME: 09:10:57

Input Set : N:\RJAVED\10517079.txt
Output Set : N:\CRF4\08282006\J517079B.raw

440255 <222> LOCATION: (1)... (8)
440256 <223> OTHER INFORMATION: >GOP7
440258 <400> SEQUENCE: 31872
W--> 440259 Ile Xaa Ile Ala Lys Leu Lys Ala
E--> 440260 1
440264 <210> SEQ ID NO: 31873
440265 <211> LENGTH: 8
440266 <212> TYPE: PRT
440267 <213> ORGANISM: Rattus norvegicus
W--> 440268 <220> FEATURE: ~~all-N-Me~~ delete
440269 <222> LOCATION: (1)... (8)
440270 <223> OTHER INFORMATION: >GOP8
440272 <400> SEQUENCE: 31873
440273 Ile Ala Leu Lys Asn Met Glu Val Ile Ala
E--> 440274 1
440278 <210> SEQ ID NO: 31874
440279 <211> LENGTH: 5
440280 <212> TYPE: PRT
440281 <213> ORGANISM: Artificial
W--> 440282 <220> FEATURE: ~~Xaa~~ delete
W--> 440283 <221> NAME/KEY: Orn
440284 <222> LOCATION: (1)... (5)
440285 <223> OTHER INFORMATION: >GOP9
440287 <400> SEQUENCE: 31874
W--> 440288 Ile Val Xaa Lys Ala
E--> 440289 1
440335 <210> SEQ ID NO: 31878
440336 <211> LENGTH: 8
440337 <212> TYPE: PRT
440338 <213> ORGANISM: Rattus norvegicus
W--> 440340 <220> FEATURE: ~~Xaa~~ delete
W--> 440341 <221> NAME/KEY: N-methyl alanine
440342 <222> LOCATION: (1)... (8)
440343 <223> OTHER INFORMATION: >GOP13
440348 <400> SEQUENCE: 31878
W--> 440346 Ile Val Ile Xaa Lys Leu Lys Ala
E--> 440347 1
440351 <210> SEQ ID NO: 31879
440352 <211> LENGTH: 8
440353 <212> TYPE: PRT
440354 <213> ORGANISM: Rattus norvegicus
W--> 440356 <220> FEATURE: ~~Xaa~~ delete
W--> 440357 <221> NAME/KEY: N-methyl alanine
440358 <222> LOCATION: (1)... (8)
440359 <223> OTHER INFORMATION: >GOP14
440361 <400> SEQUENCE: 31879
W--> 440362 Ile Val Ile Ala Lys Leu Lys Xaa
E--> 440363 1
440367 <210> SEQ ID NO: 31880

10 delete 15 delete
10 delete 15 delete
DIS explains source of genetic material. See item #11 on error summary sheet!
What is this?
10 delete 15 delete
10 delete 15 delete

RAW SEQUENCE LISTING
PATENT APPLICATION: U8/10/517,079B

DATE: 08/28/2006
TIME: 09:10:57

Input Set : N:\RJAVED\10517079.txt
Output Set : N:\CRF4\08282006\J517079B.raw

440366 <211> LENGTH: 8
440369 <212> TYPE: PRT
440370 <213> ORGANISM: Rattus norvegicus
W--> 440372 <220> FEATURE: Xaa delete
W--> 440373 <221> NAME/KEY: Aib
440374 <222> LOCATION: (1)...(8)
440375 <223> OTHER INFORMATION: >GOP15
440377 <400> SEQUENCE: 31880
W--> 440378 Ile Val Ile Xaa Lys Leu Lys Ala
E--> 440379 1 5
440411 <210> SEQ ID NO: 31883
440412 <211> LENGTH: 8
440413 <212> TYPE: PRT
440414 <213> ORGANISM: Rattus norvegicus
W--> 440416 <220> FEATURE: Xaa, Xaa, Xaa delete
W--> 440417 <221> NAME/KEY: Nva, Nle, Citrulline
440418 <222> LOCATION: (1)...(8)
440419 <223> OTHER INFORMATION: >GOP18
440421 <400> SEQUENCE: 31883
W--> 440422 Ile Xaa Ile Ala Lys Xaa Xaa Ala
E--> 440423 1 5
440427 <210> SEQ ID NO: 31884
440428 <211> LENGTH: 8
440429 <212> TYPE: PRT
440430 <213> ORGANISM: Rattus norvegicus
W--> 440432 <220> FEATURE: Xaa delete
W--> 440433 <221> NAME/KEY: U-methyl Tyrosine
440434 <222> LOCATION: (1)...(8)
440435 <223> OTHER INFORMATION: >GOP25
440437 <400> SEQUENCE: 31884
W--> 440438 Ile Xaa Ile Ala Lys Leu Lys Ala
E--> 440439 1 5
440443 <210> SEQ ID NO: 31885
440444 <211> LENGTH: 8
440445 <212> TYPE: PRT
440446 <213> ORGANISM: Rattus norvegicus
W--> 440447 <220> FEATURE: Xaa delete
W--> 440448 <221> NAME/KEY: Citrulline
440449 <222> LOCATION: (1)...(8)
440450 <223> OTHER INFORMATION: >GOP26
440452 <400> SEQUENCE: 31885
W--> 440453 Ile Val Ile Ala Xaa Leu Lys Ala
E--> 440454 1 5
440570 <210> SEQ ID NO: 31894
440571 <211> LENGTH: 7
440572 <212> TYPE: PRT
440573 <213> ORGANISM: artificial
W--> 440575 <220> FEATURE: Xaa, Xaa, peptide delete
W--> 440576 <221> NAME/KEY: Citrulline, p-Fluoro phenyl alanine

10 15 delete

10 15 delete

10 15 delete

10 15 delete

on error
Summary
Sheet.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/517,079B

DATE: 08/28/2006
TIME: 09:10:57

Input Set : N:\RJAVED\10517079B.txt
Output Set : N:\CRF4\08282006\J517079B.raw

440577 <22> LOCATION: (1)...(2)
440578 <22> OTHER INFORMATION: >MS1 Analogue 5
440580 <400> SEQUENCE: 31894
W--> 440581 Xaa Xaa Phe Xaa Xaa Xaa Ile
E--> 440582 1
440586 <210> SEQ ID NO: 31895
440587 <211> LENGTH: 8
440588 <212> TYPE: PRT
440589 <213> ORGANISM: artificial
W--> 440591 <220> FEATURE: Xaa, Xaa, peptide
W--> 440592 <221> NAME/KEY: Citruline, p-Fluoro phenyl alanine
440593 <222> LOCATION: (1)...(8)
440594 <223> OTHER INFORMATION: >MS1 Analogue 6
440596 <400> SEQUENCE: 31895
W--> 440597 Xaa Xaa Xaa Ile Xaa Ile Ile Xaa
E--> 440598 1
440602 <210> SEQ ID NO: 31896
440603 <211> LENGTH: 8
440604 <212> TYPE: PRT
440605 <213> ORGANISM: artificial
W--> 440607 <220> FEATURE: Xaa, Xaa, peptide
W--> 440608 <221> NAME/KEY: Citruline, p-Fluoro phenyl alanine
440609 <222> LOCATION: (1)...(8)
440610 <223> OTHER INFORMATION: >MS1 Analogue 7
440612 <400> SEQUENCE: 31896
W--> 440613 Phe Xaa Xaa Xaa Ile Xaa Ile Ile
E--> 440614 1
440618 <210> SEQ ID NO: 31897
440619 <211> LENGTH: 8
440620 <212> TYPE: PRT
440621 <213> ORGANISM: artificial
W--> 440623 <220> FEATURE: Xaa, Xaa, peptide
W--> 440624 <221> NAME/KEY: Citruline, p-Fluoro phenyl alanine
440625 <222> LOCATION: (1)...(8)
440626 <223> OTHER INFORMATION: >MS1 Analogue 8
440628 <400> SEQUENCE: 31897
W--> 440629 Xaa Xaa Phe Xaa Xaa Xaa Ile Xaa
E--> 440630 1
440633 <210> SEQ ID NO: 31900
440634 <211> LENGTH: 28
440635 <212> TYPE: PRT
440636 <213> ORGANISM: Mus musculus
440638 <222> LOCATION: (1)...(28)
440639 <223> OTHER INFORMATION: >mouse PrpC (1-28)
E--> 440661 <400> SEQUENCE: 31900
440662
Met Ala Asn Leu Gly Tyr Trp Leu Leu Ala Leu Phe Val Thr Met Trp Thr Asp Val Gly Leu
E--> 440663 Cys Lys Lys Arg Pro Lys Pro
E--> 440664 1
440668 <210> SEQ ID NO: 31901

Invalid
Delete Response
See item #11 on
delete
error summary
Invalid
Delete Response Sheet

Same
errors
(as the above)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/517,079B

DATE: 08/26/2006
TIME: 09:10:57

Input Set : N:\RJAVES\10517079B.txt
Output Set : N:\CRF4\08282006\J517079B.raw

440669 <211> LENGTH: 28
440670 <212> TYPE: PRT
440671 <213> ORGANISM: Homo sapiens
440672 <222> LOCATION: (1)... (28)
440674 <223> OTHER INFORMATION: >human PrpC(1-28)
OK 440676 <400> SEQUENCE: 31901
440677
Met Ala Asp Leu Gly Cys Trp Met Leu Val Leu Phe Val Ala Thr Trp Ser Asp Leu Gly Leu
E--> 440678 Cys Lys Lys Arg Pro Lys Pro 10 15
E--> 440679 1 5
440683 <210> SEQ ID NO: 31902
440684 <211> LENGTH: 30
440685 <212> TYPE: PRT
440686 <213> ORGANISM: Bos taurus
OK 440688 <222> LOCATION: (1)... (30)
440689 <223> OTHER INFORMATION: >bovine PrpC (1-30)
OK 440691 <400> SEQUENCE: 31902
440692
Met Val Lys Ser Lys Ile Gly Ser Trp Ile Leu Val Leu Phe Val Ala Met Trp Ser Asp Val Gly
E--> 440693 Leu Cys Lys Arg Pro Lys Pro 10 15
E--> 440694 1 5
440695 <210> SEQ ID NO: 31907
440755 <211> LENGTH: 25
440756 <212> TYPE: PRT
440757 <213> ORGANISM: Homo sapiens
OK 440760 <222> LOCATION: (1)... (25)
440762 <223> OTHER INFORMATION: >PS-2 (86-110)
OK 440762 <400> SEQUENCE: 31907
440763
Lys Val His Ile Met Leu Phe Val Pro Val Thr Leu Cys Met Ile Val Val Val Ala Thr Ile Lys
E--> 440764 Ser Val Arg 10 15
E--> 440765 1 5
440828 <210> SEQ ID NO: 31912
440829 <211> LENGTH: 23
440830 <212> TYPE: PRT
W--> 440831 <213> ORGANISM: artificial
440833 <220> FEATURE: peptide
440834 <222> LOCATION: (1)... (23)
440835 <223> OTHER INFORMATION: >YTA-2ps
440837 <400> SEQUENCE: 31912
440838
Ser Gly Gly Ser Met Ala Tyr Tyr Thr Ala Ile Ala Trp Val Lys Ala Phe Ile Arg Lys Leu Arg
E--> 440839 Lys 5 10 15
E--> 440840 1

The type of errors shown exist throughout
this sequence listing. Please check subsequent
sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/517,079B

DATE: 08/28/2006
TIME: 09:10:58

Input Set : N:\RJAVEB\10517079.txt
Output Set: N:\CRF4\08282006\J517079B.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:31859; Line(s) 440086
Seq#:31861; Line(s) 440114
Seq#:31900; Line(s) 440662
Seq#:31901; Line(s) 440677
Seq#:31902; Line(s) 440692
Seq#:31907; Line(s) 440763
Seq#:31909; Line(s) 440793
Seq#:31912; Line(s) 440838

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:31871,31874,31889,31894,31895,31896,31897,31899,31909,31910,31911,31912
Seq#:31913,31914,31915,31916,31917,31918,31919,31920,31921,31922,31923,31924
Seq#:31925,31926,31927,31928,31929,31930,31931,31932,31933

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/517,079B

DATE: 08/28/2006

TIME: 09:10:58

Input Set : N:\RJAVED\10517079.txt

Output Set : N:\CRF4\08282006\J517079B.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
 L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:2253 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2254 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (150) SEQUENCE:
 L:2264 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:151
 L:2264 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2277 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:152
 L:2277 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2290 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:153
 L:2290 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2303 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:154
 L:2303 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2316 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:155
 L:2316 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2329 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:156
 L:2329 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2342 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:157
 L:2342 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2355 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:158
 L:2355 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2368 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:159
 L:2368 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2381 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:160
 L:2381 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2394 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:161
 L:2394 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2407 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:162
 L:2407 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2420 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:163
 L:2420 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2433 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:164
 L:2433 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2446 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:165
 L:2446 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2459 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:166
 L:2459 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2472 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:167
 L:2472 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2485 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:168
 L:2485 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2498 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:169
 L:2498 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2511 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:170
 L:2511 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2524 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:171
 L:2524 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2537 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:172
 L:2537 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY
 PATENT APPLICATION: US/10/517,079B

DATE: 08/28/2006
 TIME: 09:10:58

Input Set : N:\RJAVED\10517079.txt
 Output Set : N:\CRF4\08282006\J517079B.raw

L:2550 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:173
 L:2550 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2563 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:174
 L:2563 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2576 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:175
 L:2576 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2589 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:176
 L:2589 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2602 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:177
 L:2602 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2615 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:178
 L:2615 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2628 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:179
 L:2628 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2641 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:180
 L:2641 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2654 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:181
 L:2654 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2667 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:182
 L:2667 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2680 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:183
 L:2680 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2693 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:184
 L:2693 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2706 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:185
 L:2706 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2719 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:186
 L:2719 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2732 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:187
 L:2732 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2745 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:188
 L:2745 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2758 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:189
 L:2758 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2771 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:190
 L:2771 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2784 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:191
 L:2784 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2797 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:192
 L:2797 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2810 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:193
 L:2810 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2823 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:194
 L:2823 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2836 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:195
 L:2836 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2849 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:196
 L:2849 M:283 W: Missing Blank Line separator, <400> field identifier
 L:2862 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:197

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/517,079

DATE: 08/28/2006

TIME: 09:10:58

Input Set : N:\RJAVED\10517079.txt

Output Set : N:\CRF4\08282006\J517079B.raw

L:2862 M:283 W: Missing Blank Line Separator, <400> field identifier
 L:2875 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:198
 L:2875 M:283 W: Missing Blank Line Separator, <400> field identifier
 L:2888 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:199
 L:2888 M:283 W: Missing Blank Line Separator, <400> field identifier
 L:2901 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:200
 L:14460 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1089
 L:14473 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1090
 L:14486 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1091
 L:35207 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2685
 L:35220 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2686
 L:35233 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2687
 L:35246 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2688
 L:35259 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2690
 L:35272 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2691
 L:35285 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2692
 L:35298 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2693
 L:35311 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2694
 L:35324 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2695
 L:35337 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2696
 L:35350 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2697
 L:35363 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2698
 L:35376 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2699
 L:35389 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2700
 L:35402 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2701
 L:35415 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2702
 L:35428 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2703
 L:35441 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2704
 L:35454 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2705
 L:35467 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2706
 L:35480 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2707
 L:35493 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2708
 L:35506 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2709
 L:35519 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2710
 L:35532 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2711
 L:35545 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2712
 L:35558 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2713
 L:35571 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2714
 L:35584 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2715
 L:35597 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2716
 L:35610 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2717
 L:35623 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2718
 L:35636 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2719
 L:35649 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2720
 L:35662 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2721
 L:35675 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2722
 L:35688 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2723
 L:35701 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2724
 L:35714 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2724

VERIFICATION SUMMARY

DATE: 06/28/2006

PATENT APPLICATION: US/10/517,079B

TIME: 09:10:58

Input Set : N:\RJAYE\10517079.txt

Output Set : N:\CRF4\08282006\J517079B.raw

L:35727 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2725
 L:35740 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2726
 L:35753 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2727
 L:35766 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2728
 L:35779 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2729
 L:35792 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2730
 L:35805 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:2731
 L:48545 M:252 E: No. of Seq. differs, <21> LENGTH:Input:13 Found:12 SEQ:3711
 L:439822 M:300 W: (50) Intentionally skipped Sequence, Sequence Id (31840) SEQUENCE:
 L:440162 M:300 W: (50) Intentionally skipped Sequence, Sequence Id (31865) SEQUENCE:
 L:440239 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440253 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440254 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31872
 L:440259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31872 after pos.:0
 L:440268 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440274 M:252 E: No. of Seq. differs, <21> LENGTH:Input:8 Found:10 SEQ:31873
 L:440282 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440283 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31874
 L:440288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31874 after pos.:0
 L:440340 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440341 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31878
 L:440346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31878 after pos.:0
 L:440356 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440357 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31879
 L:440362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31879 after pos.:0
 L:440372 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440373 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31880
 L:440378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31880 after pos.:0
 L:440416 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440417 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31883
 L:440422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31883 after pos.:0
 L:440432 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440433 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31884
 L:440438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31884 after pos.:0
 L:440447 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440448 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31885
 L:440453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31885 after pos.:0
 L:440504 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440575 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440576 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31894
 L:440581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31894 after pos.:0
 L:440591 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440592 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31895
 L:440597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31895 after pos.:0
 L:440607 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440608 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31896
 L:440613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31896 after pos.:0
 L:440623 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440624 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:31897

VERIFICATION SUMMARY

PATENT APPLICATION: 06/10/517,079

DATE: 08/28/2006

TIME: 09:10:59

Input Set : N:\RJAVED\10517079.txt

Output Set : N:\CRF4\08282006\7517098B.raw

L:440629 M:341 W: (46) "n" or "Xaa" used for SEQ ID# 31897 after pos.:0
 L:440635 M:300 W: (50) Intentionally skipped Sequence, Sequence Id (31898) SEQUENCE:
 L:440643 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440788 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440803 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440818 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440833 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440849 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440864 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440879 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440894 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440909 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440924 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440939 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440954 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440969 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440984 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:440999 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:441014 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:441029 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:441044 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:441059 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:441074 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:441089 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:441104 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:441119 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:441134 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
 L:441149 M:256 W: Invalid Numeric Header Field, <220> has non-blank data